

Title (en)
PROMOTER DERIVED FROM HUMAN GENE

Title (de)
PROMOTER AUS VOM MENSCHLICHEM GEN

Title (fr)
PROMOTEUR DÉRIVÉ D'UN GÈNE HUMAIN

Publication
EP 2787080 B1 20180321 (EN)

Application
EP 12853220 A 20121127

Priority
• JP 2011258724 A 20111128
• JP 2012080532 W 20121127

Abstract (en)
[origin: EP2787080A1] The present invention relates to a transfected mammalian host cell whose ability to secrete a foreign protein has been enhanced by using a foreign gene expression vector having a promoter derived from a human gene, and a method for producing the foreign protein using the host cell. A method for enhancing the production of a foreign protein to be used in a pharmaceutical protein product in a host cell such as a cultured mammalian cell is provided. A promoter derived from a human gene having a promoter activity higher than that of a cytomegalovirus (CMV) promoter in a host cell such as a cultured mammalian cell is provided.

IPC 8 full level
C12N 15/12 (2006.01); **C07K 14/47** (2006.01); **C07K 16/18** (2006.01); **C12N 5/10** (2006.01); **C12N 15/13** (2006.01); **C12N 15/63** (2006.01); **C12N 15/85** (2006.01); **C12P 21/02** (2006.01)

CPC (source: EP US)
C07K 14/47 (2013.01 - EP US); **C07K 16/00** (2013.01 - EP US); **C07K 16/18** (2013.01 - EP US); **C12N 15/63** (2013.01 - EP US); **C12N 15/85** (2013.01 - US); **C12P 21/00** (2013.01 - US); **C12P 21/02** (2013.01 - EP US); **C07K 2317/24** (2013.01 - EP US); **C12N 2830/85** (2013.01 - US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2787080 A1 20141008; EP 2787080 A4 20150812; EP 2787080 B1 20180321; AU 2012344855 A1 20140619; AU 2012344855 B2 20180118; AU 2012344855 C1 20180412; BR 112014012682 A2 20190924; CA 2857210 A1 20130606; CN 104066839 A 20140924; CN 104066839 B 20180216; ES 2670894 T3 20180601; HK 1199064 A1 20150619; IL 232848 A0 20140731; IN 3882CHN2014 A 20150904; JP 6025745 B2 20161116; JP WO2013080934 A1 20150427; KR 101931404 B1 20181220; KR 20140100475 A 20140814; RU 2014121383 A 20160127; SG 11201402476X A 20150227; TW 201329234 A 20130716; TW 201632624 A 20160916; TW 201632625 A 20160916; US 2014342401 A1 20141120; US 9862969 B2 20180109; WO 2013080934 A1 20130606

DOCDB simple family (application)
EP 12853220 A 20121127; AU 2012344855 A 20121127; BR 112014012682 A 20121127; CA 2857210 A 20121127; CN 201280068236 A 20121127; ES 12853220 T 20121127; HK 14112671 A 20141217; IL 23284814 A 20140528; IN 3882CHN2014 A 20140523; JP 2012080532 W 20121127; JP 2013547145 A 20121127; KR 20147013459 A 20121127; RU 2014121383 A 20121127; SG 11201402476X A 20121127; TW 101144256 A 20121127; TW 105118071 A 20121127; TW 105118073 A 20121127; US 201414288942 A 20140528